

**Service & Repair Notes (SRN)****Bulletin****Technical Information**

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EXPIRES: N/A

SUBJECT: Incorrect power readings from Quantars with External Wattmeters installed.

SYSTEMS AFFECTED: 3.1/4.1 800 MHz and UHF Quantars with External Wattmeter installed.

MODEL and OPTIONS AFFECTED:

- T5365A Quantar (800MHz and UHF)
- Triple Circulator

SYMPTOMS:

Power level readings displayed in CSS/RSS will be incorrect when an External Wattmeter is installed on a System Release 3.1 or 4.1 Quantar in the 800MHz and UHF bands. Power alignments performed with these incorrect readings may create an overdrive condition. They may also cause PA faults or failures to occur even though the station's amplifier is functioning properly.

CAUSE:

An internal lookup table used to determine the power reading was not updated when the External Wattmeter was transferred to the Quantar platform.

WORK AROUND:

To obtain correct power readings, use a separate in-line wattmeter, installed between the power amplifier and the antenna or RF load. The External Wattmeter remains a valuable protection against amplifier damage in the event of excessive reverse power.

If the incorrect readings are causing the station to be taken out of service, the External Wattmeter field can be set to Disabled in CSS/RSS.

RESOLUTION:

The fix will be contained in a future software release which is currently under development.

This is an informational bulletin only. No reference to warranty is implied or intended.